SPECIFICATION

Polystyrene

Parameters	Specification
CAS Number	9003-53-6
Appearance	White to off-white solid
Molecular Formula	(C8H8)x
Molecular Weight	280000 g/mol
Boiling Point	350 °C
Melting Point	105 °C
Purity	98–99%
Refractive Index	1.59
Solubility	Insoluble in water; soluble in benzene, toluene, chloroform
Uses	General-purpose plastic for packaging, insulation, houseware; molded parts; foam packaging (PS foam)